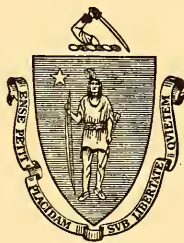


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TWENTY-SEVENTH ANNUAL REPORT  
OF  
THE COMMISSIONERS  
OF THE  
MASSACHUSETTS NAUTICAL  
SCHOOL

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JANUARY 1, 1919



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APPROVED BY THE  
SUPERVISOR OF ADMINISTRATION.

COMMISSIONERS  
OF THE  
MASSACHUSETTS NAUTICAL SCHOOL

2A PARK STREET, BOSTON

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FRANCIS T. BOWLES, *Chairman*  
WILLIAM E. MCKAY  
CLARENCE E. PERKINS

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WILLIAM H. DIMICK, *Secretary*



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# The Commonwealth of Massachusetts.

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## MASSACHUSETTS NAUTICAL SCHOOL.

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*To the Senate and House of Representatives of the Commonwealth of Massachusetts.*

The commissioners have the honor to submit their report of the operations of the school for the year 1918.

### THE COURSE OF INSTRUCTION AND THE DEMANDS UPON THE SCHOOL.

The Massachusetts Nautical School offers instruction in seamanship, navigation and marine engineering to the sons of citizens of the Commonwealth; graduates are qualified for service as deck and engineer officers in the American merchant marine. The school ship is the U. S. S. "Nantucket," a vessel loaned to the Commonwealth by the Navy Department. Students are admitted in the spring and autumn, and the course of instruction covers two years. The cadet's cost of clothing and books is \$130 the first year and \$25 the second year.

The work of the Massachusetts Nautical School in educating and training young men of the State for a seafaring life is essentially and efficiently helpful to the program of the American merchant marine, and the future is full of promise. Established twenty-seven years ago, improvements in equipment and in the courses of study have been made each year. The demand for nautical education such as this school provides is indicated by the fact that at the last semiannual examination to fill 26 vacancies there were 150 applicants. The school has for several years been unable to accommodate all the properly qualified applicants for admission.

## THE WORK MAINTAINED DURING THE WAR.

During the past eighteen months the urgent need of officers for the Navy and for the merchant service made it difficult to maintain the corps of instructors and officers on a normal basis. The "Nantucket" was assigned by the Navy Department to the First Naval District, and in July a heavier battery was installed on the ship; some of the officers were enrolled in the Naval Reserve Force; and the late summer cruise was restricted to the territorial waters of New England. Various other difficulties were created by war conditions. The successful continuation of the school under these circumstances is due largely to the naval officers serving successively as superintendents, — Capt. P. W. Hourigan and Commanders W. F. Low and C. N. Atwater, — who accomplished, through their tireless efforts, the opportune solution of many difficult situations.

The thanks of the school are due to Hon. Josephus Daniels, Secretary of the Navy, Rear Admiral Spencer S. Wood, U. S. N., commandant, First Naval District, and Capt. William R. Rush, U. S. N., commandant of the Boston Navy Yard, for courtesies extended and assistance rendered during the past year.

## THE SCHOOL RECORD.

During the past year there have been 178 students on the rolls of the school. They came from 74 cities and towns of the Commonwealth, as follows: —

Arlington Heights, . . . . .	1	East Dedham, . . . . .	1
Bedford, . . . . .	1	East Lexington, . . . . .	1
Beverly, . . . . .	3	Edgartown, . . . . .	1
Boston, . . . . .	19	Everett, . . . . .	4
Brockton, . . . . .	1	Fairhaven, . . . . .	1
Buzzards Bay, . . . . .	1	Fall River, . . . . .	5
Cambridge, . . . . .	4	Falmouth, . . . . .	2
Canton, . . . . .	1	Fitchburg, . . . . .	2
Chester, . . . . .	1	Gloucester, . . . . .	4
Cliftondale, . . . . .	1	Haverhill, . . . . .	1
Concord, . . . . .	1	Holyoke, . . . . .	1
Dennis, . . . . .	1	Lawrence, . . . . .	9
Duxbury, . . . . .	2	Lowell, . . . . .	3



Lunenburg, . . . . .	1	Rockland, . . . . .	2
Lynn, . . . . .	8	Rockport, . . . . .	1
Malden, . . . . .	4	Salem, . . . . .	3
Manchester, . . . . .	1	Sharon, . . . . .	1
Marlborough, . . . . .	1	Somerville, . . . . .	7
Medford, . . . . .	7	South Braintree, . . . . .	1
Melrose, . . . . .	2	South Dartmouth, . . . . .	1
Montello, . . . . .	2	South Natick, . . . . .	1
Nahant, . . . . .	2	Springfield, . . . . .	5
Nantucket, . . . . .	2	Stoneham, . . . . .	6
New Bedford, . . . . .	1	Stow, . . . . .	1
Newburyport, . . . . .	2	Taunton, . . . . .	3
Newton, . . . . .	4	Vineyard Haven, . . . . .	1
North Abington, . . . . .	1	Wakefield, . . . . .	1
Northampton, . . . . .	1	Walpole, . . . . .	1
North Eastham, . . . . .	1	Waltham, . . . . .	1
North Easton, . . . . .	1	Wellesley, . . . . .	1
Pigeon Cove, . . . . .	1	Weston, . . . . .	1
Plymouth, . . . . .	2	West Wareham, . . . . .	1
Provincetown, . . . . .	3	Whitman, . . . . .	1
Quincy, . . . . .	2	Winthrop, . . . . .	2
Randolph, . . . . .	1	Woburn, . . . . .	1
Readville, . . . . .	1	Woods Hole, . . . . .	1
Revere, . . . . .	5	Worcester, . . . . .	6

Their previous education was as follows: high school, 155; academies, 11; technical schools and business colleges, 3; grammar schools, 9.

The average age of the cadets at entrance was eighteen years. There have been graduated during the year 48 cadets, 25 in the spring and 23 in the autumn. The number of cadets enrolled in the school at present is 116, this being the largest number the "Nantucket" can accommodate.

#### THE NAME OF THE SCHOOLSHIP CHANGED.

The Navy Department changed the name of the "Ranger" to "Nantucket" on March 20, 1918, such action being taken to avoid duplication of names, as the name of "Ranger" had been assigned to one of the new battle cruisers. The new name is an appropriate one as Nantucket has from the earliest days been closely connected with American shipping, and at one time it was the home port of a large fleet of sailing vessels;

it has furnished a large number of men to man American ships, both in time of war and peace. The first nautical school in the country, established by an English naval officer, Sir Isaac Coffin, about the year 1830, was located in Nantucket, and instruction was given on board a brig with a class of 21 boys.

The "Nantucket" is a barkentine-rigged steamer of 1,261 tons, and is built of iron, with the following dimensions: length, 177.4 feet; beam, 32 feet; draft, 14 feet. This ship has a wireless telegraph outfit, submarine signal apparatus, a steam capstan, steam steering gear, a complete electrical outfit, and is equipped with the latest appliances for technical and hygienic purposes. There is a complete outfit of boats, ample in capacity to carry all on board, and among them is a motor barge.

#### CLOTHING DEPOSIT.

The increase in the cost of uniforms and other regulation articles required by a cadet upon entering the school necessitated an advance in the first year deposit from \$90 to \$130, the deposit for the second year remaining at \$25.

#### GRADUATES IN THE WAR.

The record of the graduates in the war has been highly creditable; 257 graduates have served as officers in the Navy, the Naval Reserve Force, the Marine Corps and auxiliary services, with commissions ranging from ensigns to commanders. In addition, 151 graduates have served as officers in the American merchant marine, of whom 22 were in command of their ships. Many others volunteered for hazardous duty in subordinate but highly important service in the war zone.

In time of war the graduates of this school have constituted an important element in the military organization, and have contributed equally to the successful operation of transport and merchant shipping. With the return of peace, they are more than ever in demand to support and develop our maritime trade.

## THE AMERICAN MERCHANT MARINE.

The American merchant marine has entered a new era, and the prospect is excellent. The current report of the Commissioner of Navigation shows that the total tonnage of merchant vessels of the United States on June 30, 1918, was 9,924,518 tons, as against 7,928,688 tons on the same date in 1914. In four years foreign-going vessels have increased from 1,076,152 tons to 3,603,706 tons. The increase in our total tonnage during the past year is more than double that of any previous year in the history of the country. For the year ending Sept. 30, 1918, 608 sea-going vessels were built in the United States, aggregating 1,876,471 gross tons, compared with an output of 225,122 gross tons for the year ending June 30, 1915. During the year 1917 Congress authorized the construction of ships to the extent of \$1,234,000,000.

The new ships are large and well equipped and have comfortable quarters for officers and crew; the salaries paid are higher. While the extraordinary development of American shipping during the past two years has, of course, been due to the exigencies of the war, it is well assured that our country will retain the prominent place it now holds as one of the greatest maritime powers in the world.

## WINTER TERM, 1917-18.

The following is the report of former superintendent Capt. P. W. Hourigan, U. S. N., on the winter term 1917-18: —

Immediately after graduating the class on Sept. 13, 1917, the cadets were given leave, and the "Ranger" (now "Nantucket") went alongside the Navy Yard to fit for the winter term.

On Sept. 29, 1917, the examinations for admission were held. There were 161 applicants, of whom the leading 35 were selected, making the total enrollment of the school 112. This was 8 more than the usual complement, and was decided on because of the urgent demand for competent merchant officers at this time.

On October 15 the ship shifted her berth to her regular winter quarters at North End Park, and all cadets returned from leave on the 17th. The routine school work began on October 22 and continued uninterrupted until graduation day on March 20, 1918.



Very regretfully the ship was compelled to part with the name "Ranger," which had been hers since building; it is a historic one and was in itself an inspiration. The name had been decided on by the Navy Department for one of the new battle cruisers now building. At the request of the Board of Commissioners the name "Nantucket" was given the school ship as being a traditional seafaring one.

### THE SUMMER TERM.

The following is the report of Commander Charles N. Atwater, U. S. N., on the summer cruise: —

Because of the illness and detachment of my predecessor, it devolves upon me, although I only assumed the superintendency on August 14, to report upon the entire summer cruise.

The "Nantucket" left the navy yard May 3, 1918, and, after visiting Provincetown and Vineyard Haven, proceeded to Chesapeake Bay. The run down the coast accustomed the cadets to sea routine and sea duties, so that the summer's work was fairly underway when Washington, the first port of call, was reached. Anchors were carried out to moor the ship in a narrow berth between Potomac Park and the city, and during the vessel's stay the cadets were given an opportunity to familiarize themselves with the seat of the national government.

The next port visited was Annapolis, Md., where Rear Admiral Eberle, the superintendent of the Naval Academy, afforded the cadets an opportunity to observe the workings and facilities of the greatest of nautical schools. Among the midshipmen who came on board the "Nantucket" were two of our graduates.

At Baltimore all the seamen and firemen left the ship in a body. Fortunately, the cadets had by that time become fairly good seamen and firemen themselves and were able to perform these duties until the ship was back in Boston.

On the 30th of June the ship left Chesapeake Bay and on July 1 arrived at the New York Navy Yard. German submarines were then active along the coast, so that during the run double lookouts were maintained, and crews of cadets stood watches beside loaded guns. A heavier battery was awaiting the "Nantucket" at New York, and it was placed on board to be carried to Boston for installation. The new battery consists of one 4-inch forty-caliber and two 3-inch fifty-caliber single action, breach loading, quick-firing guns, and these and their accessories were deposited and secured on the quarterdeck. After stopping at several ports on the way, Boston was reached on July 14.

The removal of the battery of four 6-pounders and the work of shoring-up and placing the foundations for the new guns took until August 6, when 15 tons of ammunition for the new guns were received. It was not until August 9 that the ship was able to proceed to Hingham Bay and resume the interrupted work of the cruise.



By August 26 the cadets had been well drilled at the new guns, and on that date the guns were fired at various elevations and trains to test their mounts. The test was carried out 20 miles to the eastward of Boston Light, under a naval board appointed by the commandant of the First Naval District, and was successful.

On August 28 the "Nantucket" left Boston and for the first time passed through the Cape Cod Canal. The next six weeks were spent in cruising and exercising in Buzzards Bay, Gardiners Bay and Long Island Sound. Influenza became epidemic on board while at New Bedford, and so many cases developed that early in October it became advisable to return to Boston. After anchoring two days in Presidents Roads the ship went into her winter berth at North End Park on October 8. Throughout the cruise the cadets showed a keen appreciation of the advantages to be gained at this time by acquiring a nautical education. On October 9 the first class was graduated, and the graduates took the examinations of the Steamboat Inspection Service for licenses as third mates or third assistant engineers, and within ten days of graduation some were officers of steamships.

Cruising in inland waters favored the piloting and chart work of navigation, while the frequency of anchoring and getting underway was advantageous to instruction in seamanship and engineering. Special attention was given, with excellent results, to signalling. A radio detail assisted with the installation of a new one-half kilowatt radio set. The radio watch kept a record of all calls and communications heard. The unusual things in engineering were the fine way in which the senior engineering class took charge of the fireroom during the weeks there were no paid firemen, and the opportunity the engineer cadets had of seeing the engineering laboratory at the Naval Academy.

The cadets, although of course civilians and serving without pay, performed military duties with interest and good will. When outside the 3-mile limit or in lonely anchorages, extra watches were kept, with ammunition on deck and crews ready at loaded guns. Target practice was held with rifles and revolvers, and the cadets were drilled as infantry. They also cared for the engines, the boilers and the battery; cleaned and painted ship; manned the running boats; and in all things showed their pride in the appearance and efficiency of the vessel which was their home.

#### MEDICAL DEPARTMENT.

Up to the last two weeks of the cruise only eight cadets had been on the sick list. One of these had to be sent to the Brooklyn Hospital with appendicitis and was away from the ship four weeks; but the other cases were not serious.

On September 27 two cases of influenza developed. The next day there were six more. Other cases followed rapidly and it became necessary to establish a temporary hospital on the gun deck. In all there were thirty-one, including officers and crew, on the sick list with the disease. Owing

to the epidemic, which affected many besides those placed on the sick list, the gains in weight and height during the cruise were less than usual. The average gain in weight was 1.3 pounds, and that in height .1 of an inch.

## COAL CONSUMPTION.

	Tons.
Coal on hand and received, . . . . .	605.4
Expended, . . . . .	469.2
	<hr/>
Remaining Oct. 9, 1918, . . . . .	136.2
Itemized account of coal expended:—	
Moving ship, . . . . .	180.7
Dynamos and auxiliary machinery, . . . . .	227.2
Distilling, . . . . .	40.7
Galley purposes, . . . . .	20.4
Heating, . . . . .	.2
	<hr/>
Total, . . . . .	469.2

## STUDY SCHEDULE, WINTER TERM, 1918-19.

DAY AND HOUR.	First Class, Deck.	Second Class, Deck.	First and Second Class, Engineers.	Third Class, First Section.	Third Class, Second Section.	Fourth Class, First Section.	Fourth Class, Second Section.
Monday { 8.45-9.45, 9.45-10.45, 11.05-11.45, 11.45-12.25,	Seamanship. Study. Navigation. Study.	Study. Seamanship. Study. Navigation.	Electricity. Study. Steam. Study.	Mathematics. Study. English. Study.	Study. Mathematics. Study. English.	English. Study. Mathematics. Study.	Study. English. Study. Mathematics.
Tuesday { 8.45-9.45, 9.45-10.45, 11.05-11.45, 11.45-12.25,	Mathematics. Study. Seamanship. Study.	Study. Mathematics. Study. Seamanship.	Electricity. Study. Mathematics. Study.	Navigation. Study. Steam. Study.	Study. Navigation. Study. Steam.	English. Study. Navigation. Study.	Study. English. Study. Navigation.
Wednesday { 8.45-9.45, 9.45-10.45, 11.05-11.45, 11.45-12.25,	Navigation. Study. English. Study.	Study. Navigation. Study. English.	Electricity. Study. Steam. Study.	Seamanship. Study. Electricity. Study.	Study. Seamanship. Study. Electricity.	Steam. Study. Seamanship. Study.	Study. Steam. Study. Seamanship.
Thursday { 8.45-9.45, 9.45-10.45, 11.05-11.45, 11.45-12.25,	Navigation. Study. Seamanship. Study.	Study. Navigation. Study. Seamanship.	Steam. Study. English. Study.	Mathematics. Study. Steam. Study.	Study. Mathematics. Study. Steam.	Electricity. Study. Mathematics. Study.	Study. Electricity. Study. Mathematics.
Friday { 8.45-9.45, 9.45-10.45, 11.05-11.45, 11.45-12.25,	Navigation. Study. Mathematics. Study.	Study. Navigation. Study. Mathematics.	Study. Mathematics. Steam. Study.	Navigation. Study. English. Study.	Study. Navigation. Study. English.	Steam. Study. Navigation. Study.	Study. Steam. Study. Navigation.



## OFFICERS AND INSTRUCTORS OF THE SCHOOL.

The following are the officers and instructors now connected with the school: —

Superintendent and commanding officer, Commander Charles N. Atwater, U. S. N.

Executive officer, Lieutenant Commander Howard G. Copeland, U. S. N. R. F. (graduate M. N. S.).

Navigator, John W. Thompson (graduate M. N. S.).

Watch officer, Lieut. Ernest V. Sandstrom, U. S. N.

Watch officer, Lieut. Nicolai Sivertsen, U. S. N. R. F.

Chief Engineer, Lieut. (j. g.) Ervin L. Kelley, U. S. N. R. F. (graduate M. N. S.).

Medical officer, Irvine L. Nowlan, M.D.

Paymaster and captain's clerk, Adolph E. Salsburg.

Instructor in mathematics, John D. Shore, S. B.

## PERSONNEL.

July 1, 1918, Francis T. Bowles of Barnstable reappointed a commissioner.

April 30, 1918, Capt. P. W. Hourigan, U. S. N., superintendent and commanding officer, detached.

April 25, 1918, Commander William F. Low, U. S. N., ordered to the "Nantucket" as commanding officer.

Aug. 14, 1918, Commander William F. Low, U. S. N., detached by the Navy Department.

Aug. 14, 1918, Commander Charles N. Atwater, U. S. N., ordered to the "Nantucket" as commanding officer.

June 1, 1918, Edward Smith, navigator, resigned.

June 1, 1918, John W. Thompson, watch officer, re-rated navigator.

Aug. 21, 1918, Ervin L. Kelley appointed chief engineer.

Aug. 31, 1918, Machinist John O'Neill, U. S. N., retired, chief engineer, resigned.

Oct. 3, 1918, Lieut. James O. Porter, U. S. N. R. F., executive officer, detached.

Nov. 14, 1918, John D. Shore, S. B., appointed instructor in mathematics.

Dec. 9, 1918, Lieutenant Commander Howard G. Copeland, U. S. N. R. F., ordered to school as executive officer.

Dec. 31, 1918, Frederick W. Farquhar, assistant engineer and electrician, resigned.

CADET OFFICERS OF THE MASSACHUSETTS NAUTICAL SCHOOL,  
1918.

## SUMMER TERM.

Walen, Leonard C., *Senior Cadet Officer.**Navigation.*

Hoffses, Hartley, . . . . .	<i>First Seaman Cadet Officer.</i>
Anderson, Alexander G., . . . . .	<i>Second Seaman Cadet Officer.</i>
Saunders, Raymond E., . . . . .	<i>Third Seaman Cadet Officer.</i>

*Engineering.*

Sample, Raymond H., . . . . .	<i>First Engineer Cadet Officer.</i>
Colson, Stuart R., . . . . .	<i>Second Engineer Cadet Officer.</i>
Easton, Francis J., . . . . .	<i>Third Engineer Cadet Officer.</i>

*Petty Officers.*

Gibbs, Arthur B.	Abbott, Raymond P.
Damon, Harold S.	Fraser, James E.

## WINTER TERM.

O'Leary, Arthur, *Senior Cadet Officer.**Navigation.*

Littlefield, Gordon A., . . . . .	<i>First Seaman Cadet Officer.</i>
Hopkins, Harry E., . . . . .	<i>Second Seaman Cadet Officer.</i>
Fraser, Jack A., . . . . .	<i>Third Seaman Cadet Officer.</i>

*Engineering.*

Hanna, Guy M., . . . . .	<i>First Engineer Cadet Officer.</i>
Sanford, Loran H., . . . . .	<i>Second Engineer Cadet Officer.</i>
Carey, Walter E., . . . . .	<i>Third Engineer Cadet Officer.</i>

*Petty Officers.*

Moulton, William H.	Roberts, Llewellyn.
DeLeskey, Frederick T.	Reed, Sherman W.

## MEMBERSHIP OF THE SCHOOL.

## GRADUATING CLASS, MARCH, 1918.

\* Received 85 per cent., or over, and entitled to wear gold star on coat collar.

*Seamanship Division.*

* <b>Woods, Wilbur W.</b> ,	Provincetown.
* <b>Fitzgerald, William H.</b> ,	Revere.
* <b>Popkin, Jacob</b> ,	Malden.
* <b>Anderson, Robert P.</b> ,	Melrose.
Crowley, James J., Jr.,	North Abington.
Hovland, Almer T.,	Newton Lower Falls.
Roswall, Clifford,	Medford.
Glines, Edgar G.,	Beverly.
Dean, Ira D.,	South Natick.
Mackie, Gordon C.,	Brookline.
Hill, Raphael W.,	Provincetown.
McKenzie, James C.,	Roxbury.
Strout, Alden L.,	Boston.
Cunningham, George M.,	Lawrence.
Lowry, James H.,	Canton.

*Engineering Division.*

* <b>Carden, John R.</b> ,	Haverhill.
* <b>Donlin, John R.</b> ,	Medford.
Freeman, Joseph,	Revere.
Wright, Laurence A.,	Falmouth.
* <b>Clark, Wesley C.</b> ,	Arlington Heights.
Newman, Karl W.,	Brockton.
Perry, Frank V., Jr.,	Provincetown.
Smith, John E.,	Stoneham.
Hurld, Bernard F.,	Stoneham.
Evers, Ralph A.,	Medford.

## GRADUATING CLASS, OCTOBER, 1918.

*Seamanship Division.*

* <b>Walen, Leonard C.</b> ,	Gloucester.
* <b>Hoffses, Hartley</b> ,	Quincy.
Saunders, Raymond E.,	Somerville.
* <b>Anderson, Alexander G.</b> ,	Dorchester.
Abbott, Raymond P.,	Newburyport.
Heaney, James R.,	Lynn.
Reagh, William S.,	Cliftondale.
Fraser, James E.,	Boston.
Gibbs, Arthur B.,	Nantucket.
Stockbridge, George R.,	Wellesley.

Distelman, Max, . . . . .	Newburyport.
Damon, Harold S., . . . . .	Plymouth.
Caswell, Leonard N., . . . . .	Fall River.
Sanborn, Gerald K., . . . . .	Lawrence.
Stevens, Paul A., . . . . .	Stoneham.
Moore, James R., . . . . .	East Lexington.

*Engineering Division.*

* <b>Sample, Raymond H.</b> , . . . . .	Montello.
Colson, Stuart R., . . . . .	Whitman.
Easton, Francis J., . . . . .	Randolph.
Kelley, Elmer J., . . . . .	Springfield.
Johnson, Louis H., . . . . .	Medford.
Ford, Edward J., . . . . .	Wakefield.
Lowey, LeRoy B., . . . . .	Woods Hole.

## CLASS TO GRADUATE APRIL, 1919.

*Seamanship Division.*

* <b>Lord, Harry C.</b> , . . . . .	Springfield.
Littlefield, Gordon A., . . . . .	Cambridge.
* <b>O'Leary, Arthur</b> , . . . . .	South Boston.
* <b>Gardiner, Nelson E.</b> , . . . . .	West Fitchburg.
* <b>Hopkins, Harry E.</b> , . . . . .	North Eastham.
Reed, Sherman W., . . . . .	Dorchester.
Moulton, William H., . . . . .	Bedford.
Fraser, Jack A., . . . . .	Medford.
Purdy, Paul E., . . . . .	Everett.
Scully, Charles B., . . . . .	Rockland.
Vincent, Rudolphus N., . . . . .	Vineyard Haven.
Roberts, Llewellyn, . . . . .	Somerville.
Donohoe, John W., . . . . .	Dorchester.
Wilkinson, Harold B., . . . . .	Lynn.
DeLeskey, Frederick T., . . . . .	East Boston.
Torrey, Charles W., . . . . .	Rockland.
Hall, Roy D., . . . . .	Dennis.
O'Brion, Robert S., . . . . .	Malden.
Bossom, Charles F., . . . . .	Arlington.

*Engineering Division.*

* <b>Carey, Walter E.</b> , . . . . .	Holyoke.
Hanna, Guy M., . . . . .	Waltham.
Bailey, Warren L., Jr., . . . . .	Worcester.
Sanford, Loran H., . . . . .	Beverly.
Couple, Frank J., . . . . .	Montello.
Walker, Albert E., . . . . .	Lawrence.
Cunningham, John D., . . . . .	Quincy.
Beatty, James F., . . . . .	Lowell.

## CLASS TO GRADUATE, OCTOBER, 1919.

*Seamanship Division.*

* Studley, William B., Jr.,	.	.	.	.	.	Fairhaven.
* Bemis, Edmond F.,	.	.	.	.	.	East Lynn.
Jenness, Walter W.,	.	.	.	.	.	Malden.
Gosselin, Joseph W.,	.	.	.	.	.	Nahant.
Cronin, Walter J.,	.	.	.	.	.	Somerville.
Mahoney, John J.,	.	.	.	.	.	Revere.
Longmore, Harold T.,	.	.	.	.	.	Stoneham.
Gilman, Charles E.,	.	.	.	.	.	Somerville.
Stone, Paul,	.	.	.	.	.	Pigeon Cove.
Henderson, George A.,	.	.	.	.	.	Brighton.
Morrill, Arthur G.,	.	.	.	.	.	Melrose.
Waters, Ernest B.,	.	.	.	.	.	Nahant.
McNulty, Richard R.,	.	.	.	.	.	Gloucester.
Harrington, Francis J.,	.	.	.	.	.	Revere.
Howe, Harry C.,	.	.	.	.	.	Stoneham.
Burnap, C. Cameron,	.	.	.	.	.	Lunenburg.
Nickerson, Richard F.,	.	.	.	.	.	South Duxbury.
Needham, Alfred A.,	.	.	.	.	.	Manchester.
Barrus, Adelburt,	.	.	.	.	.	Edgartown.

*Engineering Division.*

* Holmes, Carl W.,	.	.	.	.	.	North Easton.
Walcott, Roger N.,	.	.	.	.	.	Concord.
Morin, Edward H.,	.	.	.	.	.	Stoneham.
Cotter, Thomas F., Jr.,	.	.	.	.	.	Lawrence.
Mitchell, Charles B.,	.	.	.	.	.	Lawrence.
Forsberg, George E.,	.	.	.	.	.	Worcester.
Macintyre, Ronald G.,	.	.	.	.	.	Fall River.
Stickel, Charles H.,	.	.	.	.	.	East Lynn.
Smith, Harding,	.	.	.	.	.	Nantucket.
Clements, George C.,	.	.	.	.	.	Lynn.
Cusolito, Dominik J.,	.	.	.	.	.	Somerville.

## CLASS TO GRADUATE MARCH, 1920.

Steinmetz, Fred C. B.,	.	.	.	.	.	Springfield.
Taylor, Richard B.,	.	.	.	.	.	West Somerville.
Hendy, William R.,	.	.	.	.	.	Stow.
Dean, Joseph G.,	.	.	.	.	.	Springfield.
Donahue, Jos. H.,	.	.	.	.	.	Lawrence.
Colburn, Erwin F.,	.	.	.	.	.	Somerville.
O'Sullivan, Mortimer P.,	.	.	.	.	.	Medford.
Hannan, John F.,	.	.	.	.	.	Gloucester.
Burke, Joseph F.,	.	.	.	.	.	Everett.

Gibson, Charles J.,	Beverly.
Kant, Henry W.,	Allston.
Landrey, Francis X.,	Roslindale.
Jacques, Lawrence R.,	Springfield.
Leavitt, Raymond B.,	Taunton.
Oldroyd, James N.,	Lynn.
Tilton, Albert D.,	South Dartmouth.
Coughlin, Thomas F.,	Dorchester.
Full, Fred M., Jr.,	Rockport.
Berteaux, Arthur G.,	Boston.
Griffin, Oswald J.,	Fall River.
Boyd, Ronald A.,	Taunton.
Burgess, Carroll P.,	Duxbury.
Hartley, Noble M.,	Winthrop.
Osborne, Roger W.,	East Lynn.
Warner, Ralph B.,	Marlborough.
Coughlin, Daniel J.,	Lowell.
Tilton, Ralph E.,	Fitchburg.
Freeman, Charles A., Jr.,	Taunton.
Clegg, Earle F.,	Worcester.
Collins, Theodore,	Plymouth.
Bartlett, Clarence A.,	Lowell.
Whittemore, Joseph K.,	West Roxbury.

## CLASS TO GRADUATE, OCTOBER, 1920.

(Alphabetically arranged.)

Atwood, David F.,	West Falmouth.
Bartlett, Charles H.,	Roslindale.
Bowen, Raymond A.,	Gloucester.
Brown, Lorenzo C.,	Everett.
Clark, Charles R.,	Lynn.
Clarke, Roger W.,	Auburndale.
Colson, Ralph I.,	Everett.
Devlin, J. Francis, Jr.,	Salem.
Donnelly, Francis E.,	Roslindale.
Flanagan, John L.,	Lawrence.
Flanagan, Joseph H.,	Lawrence.
Gordon, Max,	South Braintree.
Hall, Theodore R.,	Somerville.
Heneghan, William J.,	Fall River.
Lord, George P., Jr.,	Salem.
Mariner, Robert D.,	Cambridge.
McCreery, Robert D., Jr.,	Lawrence.
Paddock, Alexander M. S.,	Cambridge.
Phinney, Henry,	West Roxbury.
Poor, Sidney E.,	Sharon.

Robinton, Frank A.,	.	.	.	.	.	.	Woburn.
Sawyer, J. Harlan,	.	.	.	.	.	.	Weston.
Stevens, Earle S.,	.	.	.	.	.	.	Readville.
Stone, Alexander,	.	.	.	.	.	.	Revere.
Tyrrell, William S.,	.	.	.	.	.	.	Cambridge.
Watt, William G.,	.	.	.	.	.	.	Auburndale.
Young, John D.,	.	.	.	.	.	.	Winthrop.



CADETS ADMITTED, GRADUATED, AND HONORABLY DISCHARGED, FROM 1893 TO 1918, INCLUSIVE.

	ADMITTED			GRADUATED			HONORABLY DISCHARGED			Withdrawn, dismissed, dropped.	Number connected with the School.
	Sea- manship Class.	Engineer Class.	Totals.	Sea- manship Class.	Engineer Class.	Totals.	Sea- manship Class.	Engineer Class.	Totals.		
1893,	138	-	138	-	-	-	29	-	29	24	138
1894,	42	21	63	-	-	-	25	17	43	18	156
1895,	33	38	71	19	19	38	6	6	12	6	156
1896,	35	39	74	20	17	37	16	15	31	17	174
1897,	32	41	73	20	21	41	10	10	20	9	165
1898,	42	57	99	15	25	40	12	14	26	23	194
1899,	34	45	79	11	12	23	24	17	41	11	184
1900,	28	50	78	14	36	50	9	12	21	14	186
1901,	34	37	71	11	29	40	8	12	20	16	172
1902,	32	58	90	16	22	38	16	18	34	13	197
1903,	34	32	66	17	14	31	10	15	25	17	178
1904, <sup>1</sup>	-	-	60	16	29	45	5	12	17	31	165
1905, <sup>1</sup>	-	-	65	10	10	20	-	-	9	13	137
1906, <sup>1</sup>	-	-	50	16	19	35	-	-	18	19	145
1907, <sup>1</sup>	-	-	60	10	15	25	-	-	17	26	133
1908, <sup>1</sup>	-	-	45	8	9	17	-	-	9	9	110
1909, <sup>1</sup>	-	-	81	14	22	36	-	-	7	16	156
1910, <sup>1</sup>	-	-	54	6	15	21	-	-	16	15	151
1911, <sup>1</sup>	-	-	69	20	23	43	-	-	7	18	168
1912, <sup>1</sup>	-	-	57	17	16	33	-	-	14	15	157
1913, <sup>1</sup>	-	-	79	21	19	40	-	-	20	8	174
1914, <sup>1</sup>	-	-	65	20	16	36	-	-	22	20	171
1915, <sup>1</sup>	-	-	70	26	19	45	-	-	18	11	176
1916, <sup>1</sup>	-	-	73	23	15	38	-	-	36	3	175
1917, <sup>1</sup>	-	-	69	25	11	36	-	-	16	3	167
1918, <sup>1</sup>	-	-	66	31	17	48	-	-	10	4	178
Totals,	-	-	1,865	406	439	845	-	-	538	366	-

<sup>1</sup> Since 1904 the cadets have been unclassified during the first year of their course.



## IN MEMORIAM.

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**John Erickson, New Bedford.**

A third assistant engineer. Graduated Sept. 18, 1916. Lost his life Oct. 11, 1917, when his ship, the "Lewis Luckenbach," was torpedoed and sunk off Brest, France.

**Edward D. Newell, Gloucester.**

A lieutenant in the United States Naval Reserve Force and commanding U. S. S. "Cherokee." Graduated Oct. 10, 1913. Lost his life Feb. 26, 1918, when the "Cherokee" foundered off the New Jersey coast during a storm.

**James A. McGourty, Worcester.**

A warrant machinist in the United States Naval Reserve Force. Graduated Sept. 13, 1917. Lost his life April 17, 1918, when his ship, the U. S. S. "Lakemoor," was torpedoed and sunk about 3 miles off Crossley Light, Scotland.

**Fred J. Butterfield, Haverhill.**

A captain in the merchant marine, commanding the S. S. "Florence H." Lost his life April 17, 1918, when the "Florence H." was wrecked by an internal explosion while at anchor in a harbor of France. He was an alumnus of the Massachusetts Nautical School.

**John F. McGourty, Worcester.**

A second lieutenant in the United States Coast Guard Service. Graduated Oct. 15, 1900. Lost his life Sept. 6, 1918, when his ship, the U. S. S. "Tampa," was torpedoed and sunk in the Bristol channel.

**John T. Carr, Malden.**

A first lieutenant in the United States Coast Guard Service. Graduated March 22, 1898. Lost his life Sept. 6, 1918, when his ship, the U. S. S. "Tampa," was torpedoed and sunk in the Bristol channel.

**Grant Gately, Cambridge.**

An ensign in the United States Naval Reserve Force. Graduated Oct. 15, 1914. Lost his life Sept. 30, 1918, when his ship, the U. S. S. "Ticonderoga," was sunk by shell fire in mid-Atlantic.

**William J. Bonner, Dorchester.**

An ensign in the United States Naval Reserve Force. Graduated April, 1915. Died at sea Sept. 21, 1918, on board the U. S. S. "Tjikembang," while en route home from France.

**Charles R. Seed, Worcester.**

Died Oct. 8, 1918. Was an alumnus of the school and a lieutenant in the United States Naval Reserve Force.

**Emery Rice, Brighton.**

A lieutenant commander in the United States Naval Reserve Force and commanding U. S. S. "Mongolia." Graduated April 3, 1897. Died Jan. 4, 1919, of pneumonia at the United States Naval Hospital, Brooklyn.

## REGISTER OF GRADUATES.

*Officers in the Merchant Marine.*

Graduated.	NAME.	Residence.	Position.	Vessel or Service.
1894	James E. Reardon, . .	Roxbury, . .	Captain, . . .	"Moldegaard."
1894	Albert L. Warner, . . .	Wollaston, . .	Captain, . . .	"Lake Gardner."
1895	Walter J. Healey, . . .	Worcester, . .	Captain, . . .	"O. T. Waring."
1895	Geo. L. P. Covell, . . .	Roxbury, . .	Captain, . . .	Inter-Island Steamship Company.
1896	Henry R. Bodge, . . .	Wollaston, . .	Captain, . . .	"Northland."
1896	George R. Lauriat, . .	Medford, . .	Captain, . . .	"Gen. J. M. Brannan."
1896	Wm. N. P. Baker, . . .	Dorchester, . .	Captain, . . .	"Mariana."
1897	Chas. W. Clift, . . . .	Whitman, . .	Captain, . . .	"Gen. J. M. Schofield."
1897	Mina Dailey, . . . .	Roxbury, . .	Captain, . . .	"Col. Harwood."
1899	Edward G. Smith, . .	Boston, . . .	Captain, . . .	"Freeport."
1900	William B. Knight, . .	Hull, . . . .	Captain, . . .	"Catherine D."
1900	Joseph E. Gately, . . .	Marlborough, .	Captain, . . .	United States Shipping Board.
1901	Theodore H. Bicknell, .	Melrose, . . .	Captain, . . .	"Hewitt."
1901	Robert W. Tucker, . .	Kendal Green, .	Captain, . . .	"Oconee."
1903	Mark Woodbury, . . .	Townsend, . .	Captain, . . .	"Point Loma."
1904	Edw. C. Roberts, . . .	North Beverly, .	Captain, . . .	"Gen. Goethals."
1905	Frederick S. Walker, . .	Dorchester, . .	Captain, . . .	"Lake Benton."
1905	Harold H. Gridley, . .	Dorchester, . .	Captain, . . .	"Caddo."
1907	Frederic A. Gainard, . .	Chelsea, . . .	Captain, . . .	- -
1909	Robert S. Sparrow, . .	Eastham, . .	Captain, . . .	"Sutherland."
1909	Harold C. Cooper, . .	Worcester, . .	Captain, . . .	"Polarine."
1911	Eugene E. Miller, . . .	East Saugus, .	Captain, . . .	"Wico."
1899	Richard T. Blackford, .	Marblehead, .	First officer, . .	"Daylite."
1900	Edward Smith, . . . .	Wellesley, . .	First officer, . .	"Nickerie."
1900	Alfred M. Cummings, .	Worcester, . .	First officer, . .	"Virginian."
1900	Clayton G. Parsons, . .	Salem, . . . .	First officer, . .	"Ryswick."
1901	Chas. D. Harrington, .	Cambridge, . .	First officer, . .	"Mascotte."
1902	Edwin J. Madden, . .	Everett, . . .	First officer, . .	"St. Louis."
1903	Benj. O'Connell, . . .	Peabody, . .	First officer, . .	"Vigilancia."
1908	Chester B. Mellen, . .	Quincy, . . .	First officer, . .	"Mangore."
1911	Norris T. Ela, . . . .	E. Douglas, . .	First officer, . .	"Augusta."
1912	Russell A. Eastman, . .	Mattapoisett, .	First officer, . .	"Evelyn."
1913	Kenneth E. Cahoon, . .	W. Tisbury, . .	First officer, . .	"Aurora."
1913	Wilfred H. Senior, . . .	Boston, . . .	First officer, . .	"H. C. Folger."
1913	Philip J. Fanning, . .	Needham, . .	First officer, . .	"Caweta."
1915	Charles N. Bamforth, . .	So. Lincoln, . .	First officer, . .	"West Hampton."

*Officers in the Merchant Marine — Continued.*

Graduated.	NAME.	Residence.	Position.	Vessel or Service.
1915	Earle D. Hammond, . .	Mattapoisett, . .	First officer, . .	"Yosemite."
1916	Thomas B. Lufkin, . .	Gloucester, . .	First officer, . .	"Katahdin."
1897	Edwin F. Darling, . .	W. Dennis, . .	Second officer, . .	"Jonancy."
1902	Wm. M. Chisholm, . .	No. Attleborough, . .	Second officer, . .	- -
1904	Leslie G. Holmes, . . .	E. Whitman, . .	Second officer, . .	"Antilles."
1906	John Ruyter, . . . .	Stoughton, . .	Second officer, . .	"Lake Govan."
1907	Frazier L. Sears, . . .	E. Dennis, . .	Second officer, . .	Standard Oil Company.
1910	Franklin K. Tyler, . .	Beachmont, . .	Second officer, . .	"Saramacca."
1911	Wesley F. Besse, . . .	So. Hanson, . .	Second officer, . .	"F. Q. Barstow."
1913	Alden L. Hodges, . . .	Boston, . . . .	Second officer, . .	"Lake Linden."
1913	James A. MacCabe, . .	Osterville, . .	Second officer, . .	"Santa Cecilia."
1914	Laurence L. Horton, . .	Eastham, . .	Second officer, . .	United States Shipping Board.
1914	David Swinson, . . . .	Gloucester, . .	Second officer, . .	- -
1915	Albert V. Jones, . . . .	Fall River, . .	Second officer, . .	"Cricket."
1915	Harold F. Craven, . . .	Lawrence, . .	Second officer, . .	"Currier."
1916	John W. Simmons, . . .	Springfield, . .	Second officer, . .	- -
1916	Charles A. Martell, . .	Somerville, . .	Second officer, . .	"Shoshone."
1916	Clayton W. Collins, . .	Waquoit, . .	Second officer, . .	"Polarine."
1916	Arthur J. Kenney, . . .	Brookline, . .	Second officer, . .	"Kentuckian."
1916	Harold R. Congdon, . .	Boston, . . . .	Second officer, . .	"Lake Conway."
1916	Clifford E. Stanley, . .	Salem, . . . .	Second officer, . .	United States Shipping Board.
1917	A. Henry Rowe, . . . .	Roslindale, . .	Second officer, . .	"J. E. O'Neil."
1917	Ivan Freeman, . . . .	E. Orleans, . .	Second officer, . .	"Sutherland."
1917	Robert H. Sheridan, . .	Stoneham, . .	Second officer, . .	"Matinicock."
1917	David McLaren, . . . .	Dedham, . .	Second officer, . .	"Bacchus."
1917	Sydney L. MacLaughlin, .	Wollaston, . .	Second officer, . .	"Bramell Point."
1917	Herbert W. Susman, . .	Dorchester, . .	Second officer, . .	"Munabro."
1917	Ernest V. Wyatt, . . . .	Boston, . . . .	Second officer, . .	"Adrian Iselin."
1917	Alton E. Borden, . . . .	Fall River, . .	Second officer, . .	S. S. "Pt. Judith."
1918	Robert Anderson, . . . .	Melrose, . . . .	Second officer, . .	"Myzzar."
1907	Herbert Garity, . . . .	Boston, . . . .	Third officer, . .	"Carolyn."
1915	Arthur A. Hovgaard, . .	Brookline, . .	Third officer, . .	"Chas. Braley."
1915	Ronald B. Ford, . . . .	Lawrence, . .	Third officer, . .	"Orion."
1915	Russell L. Saunders, . .	Allston, . . . .	Third officer, . .	"Everett."
1916	Paul H. Browne, . . . .	Roslindale, . .	Third officer, . .	"Camfield."
1917	William W. Storey, . . .	Stoneham, . .	Third officer, . .	"San Mateo."
1917	Alan R. Barton, . . . .	Winthrop, . .	Third officer, . .	"Gulflight."

*Officers in the Merchant Marine — Continued.*

Graduated.	NAME.	Residence.	Position.	Vessel or Service.
1917	Donald MacWhinnie, . . .	New Bedford, .	Third officer, . .	"Crayeroft."
1918	Wilbur W. Woods, . . .	Provincetown, .	Third officer, . .	"El Paso."
1918	Clifford Roswall, . . .	Medford, . .	Third officer, . .	"Tourist."
1918	Almer T. Hovland, . . .	Newton Lower Falls.	Third officer, . .	"Guaro."
1918	Ira Dean, . . . . .	Natick, . . .	Third officer, . .	"Lake Ogden."
1918	James Crowley, . . .	No. Abington, .	Third officer, . .	"Suffolk."
1918	Arthur B. Gibbs, . . .	Nantucket, . .	Third officer, . .	"Hampden."
1918	Hartley Hoffses, . . .	Quincy, . . .	Third officer, . .	"Lake Ogden."
1918	James E. Fraser, . . .	Boston, . . .	Third officer, . .	"Lake Yemassee."
1918	Gerald K. Sanborn, . .	Lawrence, . .	Third officer, . .	"Western City."
1918	Leonard C. Walen, . . .	Gloucester, . .	Third officer, . .	"El Albra."
1918	Max Distelman, . . .	Newburyport, .	Third officer, . .	"Brabant."
1898	Eldon G. Freeman, . . .	Whitman, . . .	State pilot, . . .	San Francisco.
1900	I. Clarence Bailey, . .	Kingston, . . .	Pilot, . . . . .	Boston Pilot Boat.
1895	Charles H. Lincoln, . .	Gloucester, . .	Marine surveyor,	- -
1895	Michael D. Sullivan, . .	Boston, . . .	Chief engineer, . .	"Rosecrans."
1897	Augustus T. Holmes, . .	Ipswich, . . .	Chief engineer, . .	"J. M. Guffey."
1897	Edw. J. Cogan, . . . .	Lynn, . . . .	Chief engineer, . .	- -
1897	Albert E. Small, . . . .	Jamaica Plain, .	Chief engineer, . .	"Capt. Guyenmer."
1897	Charles E. Rowe, . . . .	Lynn, . . . .	Chief engineer, . .	- -
1898	Wm. E. Ballsdon, . . . .	Neponset, . . .	Chief engineer, . .	"Herman Winter."
1898	Wilbur S. Lamont, . . .	Leominster, . .	Chief engineer, . .	Panama Canal.
1900	Elmer P. Butterworth, .	Foxborough, . .	Chief engineer, . .	"Gulfcoast."
1900	Norris Sibley, . . . . .	Worcester, . . .	Chief engineer, . .	"Col. Wikoff."
1900	William Glover, . . . .	Wilmington, . .	Chief engineer, . .	"Mielero."
1901	Daniel Putler, . . . . .	No. Easton, . .	Chief engineer, . .	"Gloria."
1903	James S. McGarry, . . .	Shrewsbury, . .	Chief engineer, . .	"El Alba."
1904	Chas. W. Bumpus, . . . .	Wakefield, . . .	Chief engineer, . .	"City of Gloucester."
1904	Cecil L. McIntyre, . . .	Upton, . . . .	Chief engineer, . .	- -
1905	Chas. F. Tarr, . . . . .	Taunton, . . .	Chief engineer, . .	"Liebenfels."
1911	Harvey M. Thorndike, . .	Cliftondale, . .	Chief engineer, . .	"El Capitan."
1911	Robert F. Phinney, . . .	Roslindale, . .	Chief engineer, . .	"Matinicock."
1896	Forrest H. McIntyre, . .	Gloucester, . .	First assistant engineer.	"Millard."
1899	Frank P. Killion, . . . .	Malden, . . . .	First assistant engineer.	"Mauna Loa."
1900	J. J. Donohue, . . . . .	Cambridge, . .	First assistant engineer.	"Oregon."
1904	Edw. J. Chadbourne, . .	Reading, . . .	First assistant engineer.	"H. F. Dimock."
1905	Thomas W. Chisholm, . .	No. Billerica, .	First assistant engineer.	- -

*Officers in the Merchant Marine — Continued.*

Graduated.	NAME.	Residence.	Position.	Vessel or Service.
1909	Wm. A. Sullivan, . . .	East Boston, .	First assistant engineer.	"R. T. Frank."
1909	Fritz T. Kebler, . . .	Rochdale, .	First assistant engineer.	"H. F. Dimock."
1909	Richard K. Henry, . . .	Everett, . . .	First assistant engineer.	- -
1910	R. Wilbur Anderson, . .	Mattapan, . .	First assistant engineer.	"Massachusetts."
1910	Leslie S. Badger, . . .	Somerville, . .	First assistant engineer.	"Galveston."
1914	Leslie T. Severance, . .	Malden, . . .	First assistant engineer.	"Malden."
1914	Charles P. Tucker, . . .	Roxbury, . . .	First assistant engineer.	"Osage."
1914	Arthur C. Goodwin, . . .	Easton, . . .	First assistant engineer.	"Melrose."
1917	John D. Noonan, . . .	Mansfield, . .	First assistant engineer.	"Edw. Pierce."
1895	Fred'k H. Stackpole, . .	Hyde Park, .	Second assistant engineer.	"City of Brockton."
1896	John O. Sargent, . . .	Worcester, . .	Second assistant engineer.	"St. Louis."
1897	Perley W. Kimpton, . . .	Somerville, . .	Second assistant engineer.	"Shawmut."
1898	Arthur P. Stevens, . . .	Nantucket, . .	Second assistant engineer.	"Ponce."
1900	Earle P. Marshall, . . .	No. Easton, . .	Second assistant engineer.	"Uruguay."
1902	Augustus W. Hart, . . .	No. Truro, . .	Second assistant engineer.	"Chippewa."
1906	Victor M. Foster, . . .	E. Boston, . .	Second assistant engineer.	"Newton."
1908	Arthur E. Whiton, . . .	Wakefield, . .	Second assistant engineer.	"Norwood."
1911	Samuel D. White, . . .	Hyannisport, .	Second assistant engineer.	"Edw. Pierce."
1912	Richard K. O'Connell, . .	No. Easton, . .	Second assistant engineer.	"Currier."
1912	George R. Davison, . . .	Springfield, .	Second assistant engineer.	"Ancon."
1912	Louis H. Racicot, . . .	Lowell, . . .	Second assistant engineer.	"Ruth."
1913	Edward J. Fogarty, . . .	E. Boston, . .	Second assistant engineer.	"Ockenfels."
1914	Benj. H. Allen, Jr., . . .	Lawrence, . .	Second assistant engineer.	"Leviathan."
1914	Jos. L. Concannon, . . .	So. Boston, . .	Second assistant engineer.	"Brindella."
1915	Roy C. Hartwell, . . .	Easton, . . .	Second assistant engineer.	"Arizonan."
1915	John Holmes, . . . .	Campello, . . .	Second assistant engineer.	"Oregonian."
1915	A. Herbert Winquist, . .	Mattapan, . . .	Second assistant engineer.	"Lake Louise."
1917	Arthur Massey, . . . .	Lawrence, . . .	Second assistant engineer.	"Ascutney."
1917	Ernest E. Raby, . . . .	No. Easton, . .	Second assistant engineer.	"Corsica."
1903	Rudolph Komenda, . . .	Somerville, . .	Third assistant engineer.	"Hannibal."
1907	Calvin N. Simonds, . . .	Needham, . . .	Third assistant engineer.	Eastern Steamship Company.
1912	Walter L. Brewster, . . .	Somerville, . .	Third assistant engineer.	"F. J. Lisman."
1913	Russell A. McLay, . . .	Lawrence, . . .	Third assistant engineer.	- -
1914	Arthur F. Higgins, . . .	Lawrence, . . .	Third assistant engineer.	"New York."
1915	Stanislaus P. J. Ciolkosz,	Taunton, . . .	Third assistant engineer.	"City of Puebla."
1916	Carleton G. Reed, . . .	Lexington, . .	Third assistant engineer.	- -
1916	Richard A. Standley, . .	Beverly, . . .	Third assistant engineer.	"Lake Benton."



*Officers in the Merchant Marine — Concluded.*

Graduated.	NAME.	Residence.	Position.	Vessel or Service.
1918	Raymond H. Sample, .	Montello, . .	Third assistant engineer.	"Lake Butler."
1918	Karl W. Newman, . .	Brockton, . .	Third assistant engineer.	United States Shipping Board.
1918	Elmer J. Kelley, . . .	Springfield, .	Third assistant engineer.	"Lake Licking."
1902	Wm. H. Connor, . . .	Brighton, . .	Engineer, . . .	Boston Fireboat (Engine No. 31).

*Ship Construction.*

1897	Alden H. Adams, . . .	Millers Falls, .	First-class loftsmen.	Emergency Fleet Corporation.
1898	Jos. E. Sheedy, . . . .	Reading, . . .	Assistant manager,	Seattle Shipbuilding Company.
1898	Geo. F. Waite, . . . .	Winthrop, . . .	- -	American International Shipbuilding Company.
1901	Frank A. Browne, . . .	Westborough, .	General purchasing agent.	Emergency Fleet Corporation.
1902	Ernest L. Saunders, . .	Brockton, . . .	Sub-foreman, . .	Fore River Shipbuilding Corporation.
1909	Alex. F. Smith, . . . .	Nantucket, . . .	Engineering work,	Fore River Shipbuilding Corporation.
1913	Arnold A. Laskey, . . .	Cambridge, . .	Engineering work,	Emergency Fleet Corporation, Oakland, Cal.

*Instructors.*

1895	Harold W. Davis, . . . .	Somerville, . . .	Instructor in navigation.	New England Institute of Navigation.
1909	Ervin L. Kelley, . . . .	Medford, . . . .	Chief engineer, . .	U. S. S. "Nantucket."
1912	John W. Thompson, . . .	Marion, . . . .	Navigating officer,	U. S. S. "Nantucket."

*Enrolled in the United States Naval Reserve Force.*

1894	William W. Ramsay, . . .	Cambridge, . . .	Lieutenant Commander.	Submarine Base, New London, Conn.
1897	Frederick A. Sparks, . . .	Provincetown, . .	Lieutenant Commander.	U. S. S. "Lake Harney."
1897	Frederick W. Jones, . . .	Winchester, . . .	Lieutenant Commander.	U. S. S. "West Mead."
1898	Carl E. A. Anderson, . . .	Roslindale, . . .	Lieutenant Commander.	U. S. S. "Oregonian."
1898	Louis E. Congdon, . . . .	Boston, . . . .	Lieutenant Commander.	Convoy Commodore.
1899	Walter S. Lynch, . . . .	Chelsea, . . . .	Lieutenant Commander.	Fourth Naval District.
1900	Charles E. Lowe, . . . .	Roxbury, . . . .	Lieutenant Commander.	- -
1901	John J. Coholan, . . . .	So. Boston, . . .	Lieutenant Commander.	U. S. S. "Roepet."
1902	A. Russell Cushing, . . .	Dorchester, . . .	Lieutenant Commander.	U. S. S. "Sagadahoc."

*Enrolled in the United States Naval Reserve Force — Continued.*

Graduated.	NAME.	Residence.	Position.	Vessel or Service.
1902	Arthur Jensen, . . .	Provincetown, .	Lieutenant Com- mander.	U. S. S. "Eastern Chief."
1902	Osborne E. McKay, . .	Provincetown, .	Lieutenant Com- mander.	U. S. S. "Celebes."
1902	Fred C. Seibert, . . .	Greenfield, . .	Lieutenant Com- mander.	U. S. S. "Solace."
1903	Harry M. Bostwick, . .	Northbridge, .	Lieutenant Com- mander.	U.S.S. "Abarenda."
1903	Robert B. Powers, . .	Brockton, . .	Lieutenant Com- mander.	Convoy Commo- dore.
1903	Nicholas J. Kane, . . .	Whitman, . .	Lieutenant Com- mander.	U.S.S. "Panaman."
1904	Andrew J. Iverson, . .	Beverly, . . .	Lieutenant Com- mander.	U. S. S. "Dupont."
1905	Fred G. Carleton, . . .	Maynard, . . .	Lieutenant Com- mander.	Executive officer, Commonwealth Pier.
1906	William H. Lee, . . .	Roxbury, . . .	Lieutenant Com- mander.	U.S.S. "Houston."
1906	Howard G. Copeland, .	Wakefield, . .	Lieutenant Com- mander.	U. S. S. "Nan- tucket."
1907	Harry L. Chick, . . .	Beverly, . . .	Lieutenant Com- mander.	Administration of- ficer, N. O. T. S., Baltimore, Md.
1907	William M. Gifford, . .	Woods Hole, .	Lieutenant Com- mander.	U. S. S. "Beaufort."
1908	Ernest F. Robinson, . .	E. Boston, . .	Lieutenant Com- mander.	U. S. S. "Nero."
1908	Edw. S. Ells, . . . .	Haverhill, . .	Lieutenant Com- mander.	U. S. S. "Blue Ridge."
1909	Carroll E. Higgins, . .	Somerville, . .	Lieutenant Com- mander.	U. S. S. "Buiten- zorg."
1909	Eric E. Winquist, . . .	Mattapan, . . .	Lieutenant Com- mander.	U. S. S. "Cuyama."
1911	Raymond C. Vose, . .	Cambridge, . .	Lieutenant Com- mander.	U. S. S. "Drechter- land."
1911	Harold S. Dexter, . . .	Mattapoisett, .	Lieutenant Com- mander.	U. S. S. "Carib."
1911	Frederick J. Shaw, . .	Cambridge, . .	Lieutenant Com- mander.	U. S. S. "Lake Su- perior."
1913	Arthur G. Burt, . . .	Whitman, . .	Lieutenant Com- mander.	U. S. S. "Mallory."
1895	William J. Fitzgerald, .	So. Boston, . .	Lieutenant, . .	Navy Yard, Charles- town.
1895	Edwin C. Bliss, . . .	New York, . .	Lieutenant, . .	U. S. S. "Vestal."
1896	James H. B. Meehan, .	Lowell, . . .	Lieutenant, . .	U. S. S. "Proteus."
1898	Everett S. Ransom, . .	Mattapoisett, .	Lieutenant, . .	U. S. S. "Parthe- nia."
1900	Gershom Bradford, . .	Duxbury, . .	Lieutenant, . .	U.S.S. "Newport."
1900	Hollis M. Cornwall, . .	Melrose, . . .	Lieutenant, . .	Material inspector, N. O. T. S., Fourth Naval District.
1900	E. Newton Parker, . .	Greenfield, . .	Lieutenant, . .	-
1901	Robert A. Patterson, . .	Brighton, . .	Lieutenant, . .	Material officer, N. O. T. S., First Naval District.
1901	Eugene I. K. Murphy, .	Worcester, . .	Lieutenant, . .	U. S. S. "Christa- bel."
1903	Edward J. Hogan, . . .	Charlestown, .	Lieutenant, . .	Assistant inspector of machinery, Squantum.
1903	Edmund E. Powers, . .	Cambridgeport,	Lieutenant, . .	U.S.S. "Mongolia."
1905	James S. Crocker, . . .	Nahant, . . .	Lieutenant, . .	U. S. S. "Hewitt."
1905	Walter C. Lockhart, . .	Wakefield, . .	Lieutenant, . .	U. S. S. "W. N. Page."
1906	Arthur G. Burbank, . .	Carver, . . .	Lieutenant, . .	U. S. S. "Winding Gulf."
1906	Lewis B. Butler, . . .	Worcester, . .	Lieutenant, . .	U. S. S. "Lake Wood."

*Enrolled in the United States Naval Reserve Force — Continued.*

Graduated.	NAME.	Residence.	Position.	Vessel or Service.
1906	Bradford N. A. Gladding,	New Bedford, .	Lieutenant, . .	Aide for inventory and allowances, N. O. T. S., Fifth Naval District.
1906	Augustus C. Caldwell, .	Dorchester, .	Lieutenant, . .	U. S. S. "Gorontalo."
1906	Ernest J. Flannigan, . .	Wakefield, . .	Lieutenant, . .	U.S.S. "Kearsarge."
1907	Geo. H. Stickney, . . .	Worcester, . .	Lieutenant, . .	U. S. S. "Pensacola."
1907	Walter L. Smith, . . .	Ashburnham, .	Lieutenant, . .	U. S. S. "Mt. Shasta."
1907	Elmer B. Small, . . .	No. Truro, . .	Lieutenant, . .	U. S. S. "Orizaba."
1907	Samuel P. Osgood, . .	Middleborough,	Lieutenant, . .	U.S.S. "Munaries."
1908	Thos. B. Pellett, . . .	Worcester, . .	Lieutenant, . .	U.S.S. "Kanawha."
1908	Eugene P. Shevlin, . .	E. Boston, . .	Lieutenant, . .	U. S. S. "Tulip."
1909	Leo A. Keating, . . .	Natick, . . .	Lieutenant, . .	U. S. S. "F. J. Luckenbach."
1909	Everett B. Ward, . . .	Lynn, . . .	Lieutenant, . .	U. S. S. "Celtic."
1911	Charles C. Plummer, . .	Cambridge, . .	Lieutenant, . .	U. S. S. "Minnesota."
1911	Charles F. Fornason, . .	Marblehead, .	Lieutenant, . .	U. S. S. "Aphrodite."
1911	Albert L. Ware, . . .	Cambridge, . .	Lieutenant, . .	-
1911	Patrick S. Coakley, . .	Malden, . . .	Lieutenant, . .	Port Newark, N. J.
1911	Alfred Marques, . . .	Jamaica Plain, .	Lieutenant, . .	U. S. S. "Malang."
1912	Herbert A. Burns, . . .	New Bedford, .	Lieutenant, . .	U. S. S. "Astoria."
1912	Ellenwood Folger, . . .	Nantucket, . .	Lieutenant, . .	U. S. S. "Biddle."
1912	Robert M. Gray, . . .	Melrose, . . .	Lieutenant, . .	U. S. S. "Wm. A. McKenney."
1912	Ralph E. Merithew, . .	Haverhill, . .	Lieutenant, . .	U. S. S. "Neponset."
1912	John M. Marks, . . .	Gloucester, . .	Lieutenant, . .	-
1912	Harold L. Ertel, . . .	Longmeadow, .	Lieutenant, . .	U. S. S. "W. N. Page."
1912	Wm. A. Hamilton, . . .	Cliftondale, .	Lieutenant, . .	U. S. S. "Batjan."
1912	Clarence L. Howard, . .	Wellesley, . .	Lieutenant, . .	U. S. S. "American."
1912	Joseph M. Daniel, . . .	Osterville, . .	Lieutenant, . .	U. S. S. "Hilton."
1912	Norman E. Merrill, . .	Walpole, . . .	Lieutenant, . .	Naval aviation.
1913	Ralph W. Dearborn, . .	Mansfield, . .	Lieutenant, . .	U. S. S. "Polar Star."
1913	Borden A. Tuell, . . .	New Bedford, .	Lieutenant, . .	U. S. S. "Peter H. Crowell."
1913	Everett O. Swinson, . .	Gloucester, . .	Lieutenant, . .	U. S. S. "West Point."
1914	Ten Eyck H. Reed, . . .	So. Framingham,	Lieutenant, . .	U. S. S. "Martha Washington."
1914	Samuel A. Gates, . . .	Malden, . . .	Lieutenant, . .	U. S. S. "Panaman."
1914	Samuel Lee, . . . .	Roxbury, . . .	Lieutenant, . .	U. S. S. "Antilla."
1914	Joseph L. Turner, . . .	Amherst, . . .	Lieutenant, . .	U. S. S. "Lake Gedney."
1915	Charles E. Griffith, . .	No. Cambridge.	Lieutenant. . .	U. S. S. "Saturn."
1915	Ralph S. Moore, . . .	Newton, . . .	Lieutenant, . .	U. S. S. "Pennsylvanian."
1915	Leif H. Konrad, . . .	Roxbury, . . .	Lieutenant, . .	U. S. S. "Pasca-goula."
1915	Charles H. Hurley, . .	Gardner, . . .	Lieutenant, . .	U. S. S. "Sierra."



*Enrolled in the United States Naval Reserve Force — Continued.*

Graduated.	NAME.	Residence.	Position.	Vessel or Service.
1915	Charles P. Jacobson, . .	Everett, . . .	Lieutenant, . .	- -
1915	William C. Davenport, .	New Bedford, .	Lieutenant, . .	U. S. S. "Katrina Luckenbach."
1915	Herman S. Mayo, . . .	Provincetown, .	Lieutenant, . .	U. S. S. "Alaskan."
1895	Louis E. Burwell, . . .	Somerville, . .	Lieutenant (junior grade).	Flag Office, Brest.
1898	John Ganser, . . . .	Jamaica Plain, .	Lieutenant (junior grade).	- -
1898	Richard Rowles, . . .	Jamaica Plain, .	Lieutenant (junior grade).	U. S. S. "Manchu-ria."
1902	Arthur T. Luther, . . .	Swansea, . . .	Lieutenant (junior grade).	Captain of Port, Balboa, Canal Zone.
1903	P. C. Taisey, . . . .	Brockton, . . .	Lieutenant (junior grade).	U. S. S. "Mt. Vernon."
1904	Chas. H. Stoddard, . .	Worcester, . . .	Lieutenant (junior grade).	U. S. S. "Guffey."
1904	Cyrus Barnes, . . . .	Malden, . . . .	Lieutenant (junior grade).	U. S. S. "Remlik."
1905	Royal L. Barrows, . .	Boston, . . . .	Lieutenant (junior grade).	U. S. C. G. C. "Gresham."
1906	Geo. C. Bossom, . . .	Reading, . . .	Lieutenant (junior grade).	U. S. S. "Housatonic."
1907	Don Carlos C. Lewis, .	New Bedford, .	Lieutenant (junior grade).	U. S. S. "Algonquin."
1907	Archie E. Bragg, . . .	New Bedford, .	Lieutenant (junior grade).	U. S. S. "Saturn."
1908	Geo. H. Cameron, . . .	Wakefield, . .	Lieutenant (junior grade).	U. S. S. "Lake Daraga."
1909	Samuel J. Miller, . . .	Fall River, . .	Lieutenant (junior grade).	U. S. S. "Brutus."
1911	Henry O. K. Hanson, .	Neponset, . . .	Lieutenant (junior grade).	U. S. S. "Buiten-zorg."
1911	Richard J. Routledge, .	Needham, . . .	Lieutenant (junior grade).	Receiving Ship, New York City.
1911	Wm. M. Gorham, . . .	Winthrop, . . .	Lieutenant (junior grade).	Base 18, Inverness, Scotland.
1912	Alex. G. Perkins, . . .	Newburyport, .	Lieutenant (junior grade).	U. S. S. "Achilles."
1913	Waldon A. McIntire, . .	Gloucester, . .	Lieutenant (junior grade).	U. S. S. "Yacona."
1913	Philip H. Waldron, . .	Leominster, . .	Lieutenant (junior grade).	- -
1913	John A. Maddock, . . .	Newburyport, .	Lieutenant (junior grade).	U. S. S. "Bali."
1914	James A. Stowell, . . .	Walpole, . . .	Lieutenant (junior grade).	U. S. S. "Santiago."
1914	F. Palmer Harrington, .	Malden, . . . .	Lieutenant (junior grade).	U. S. S. "Mada-waska."
1914	Lester B. Poole, . . .	Marlborough, .	Lieutenant (junior grade).	U. S. S. "Mercurius."
1914	James A. Sweeney, . . .	E. Boston, . . .	Lieutenant (junior grade).	- -
1915	Bernhardt Gerecke, . .	Boston, . . . .	Lieutenant (junior grade).	U. S. S. "Drechterland."
1915	Clarence E. Stevens, . .	W. Barnstable, .	Lieutenant (junior grade).	U. S. S. "Ohioan."
1916	Percy C. Stevens, . . .	W. Barnstable, .	Lieutenant (junior grade).	U. S. S. "Canibas."
1916	Gerard R. Crosby, . . .	Orleans, . . . .	Lieutenant (junior grade).	U. S. S. "Minnesota."
1916	Richard H. Dunphe, . .	Elmwood, . . .	Lieutenant (junior grade).	U. S. S. "Louisville."
1916	Henry A. Guba, . . . .	New Bedford, .	Lieutenant (junior grade).	U. S. S. "Orizaba."
1916	Paul Gorman, . . . .	Haverhill, . . .	Lieutenant (junior grade).	U. S. S. "Lake Powawaukee."
1916	William E. Lord, . . .	Springfield, . .	Lieutenant (junior grade).	U. S. S. "Buiten-zorg."
1916	J. Prescott Mahoney, . .	W. Wareham, . .	Lieutenant (junior grade).	U. S. S. "Wanderer."
1916	Frank M. Perrin, . . .	Worcester, . . .	Lieutenant (junior grade).	U. S. S. "Mexican."

*Enrolled in the United States Naval Reserve Force — Continued.*

Graduated.	NAME.	Residence.	Position.	Vessel or Service.
1917	Arthur S. Phelan, . . .	Lynn, . . .	Lieutenant (junior grade).	U. S. S. "Swallow."
1918	Wm. H. Fitzgerald, . .	Revere, . . .	Lieutenant (junior grade).	U. S. S. "Arizonan."
1918	Harry Levine, . . . .	Cambridge, .	Lieutenant (junior grade).	U. S. S. "W. L. Steed."
1900	Ressie E. Bowser, . . .	No. Abington, .	Ensign, . . .	U. S. S. "Nero."
1902	Ernest L. Saunders, . .	Brockton, . .	Ensign, . . .	U. S. S. "Justin."
1904	William A. Danforth, .	Dorchester, .	Ensign, . . .	Receiving Ship, Ellis Island, N. Y.
1904	Harold J. Dunne, . . .	Canton, . . .	Ensign, . . .	Pelham Bay, N. Y.
1904	Leo W. Twombly, . . .	Jamaica Plain, .	Ensign, . . .	- -
1905	Laurence G. Kelley, . .	Taunton, . .	Ensign, . . .	U. S. S. "Ohioan."
1906	Cassius E. Cushman, . .	Rockport, . .	Ensign, . . .	U. S. S. "Shawmut."
1907	Frederick M. Coughlan, .	No. Dartmouth, .	Ensign, . . .	U. S. S. "Kroonland."
1907	Jos. R. Wier, . . . .	Sandersville, .	Ensign, . . .	U. S. S. "Nero."
1909	William E. Caddigan, . .	Dorchester, . .	Ensign, . . .	Commonwealth Pier.
1909	William H. Doyle, . . .	Malden, . . .	Ensign, . . .	- -
1910	Ernest B. Wyatt, . . .	Wakefield, . .	Ensign, . . .	U. S. S. "Vulcan."
1910	William Bowen, . . . .	Boston, . . .	Ensign, . . .	U. S. S. "Bunker Hill."
1911	George L. Lockhart, . .	Wakefield, . .	Ensign, . . .	U. S. S. "Orion."
1911	Angelo A. Aicardi, . . .	So. Boston, . .	Ensign, . . .	U. S. S. "Hawaiian."
1912	Albert H. Acorn, Jr., . .	Quincy, . . .	Ensign, . . .	U. S. S. "Corsair."
1912	Richard J. Cavanaugh, .	New Bedford, .	Ensign, . . .	U. S. S. "Antilla."
1912	Harold L. Winslow, . . .	Canton, . . .	Ensign, . . .	U. S. S. "Choctaw."
1913	Jos. D. Deneen, . . . .	New Bedford, .	Ensign, . . .	Material Officer, New London, Conn.
1913	Nils J. Peterson, . . . .	Brockton, . .	Ensign, . . .	U. S. S. "Proteus."
1913	Frank H. Nelson, . . . .	Fall River, . .	Ensign, . . .	- -
1913	Gregory B. Nichols, . . .	Danvers, . . .	Ensign, . . .	- -
1914	Wm. H. Fogarty, . . . .	Dorchester, .	Ensign, . . .	U. S. S. "Mundetta."
1914	C. Harold Peterson, . . .	Norwood, . . .	Ensign, . . .	- -
1914	Nelson T. Nutter, . . . .	Newburyport, .	Ensign, . . .	U. S. S. "Brompton."
1914	W. Harvey Orcutt, . . .	Winthrop, . .	Ensign, . . .	- -
1914	Richard S. Tewksbury, .	Winthrop, . .	Ensign, . . .	U. S. S. "Wissahickon."
1915	Curtis C. Fales, . . . .	Westborough, .	Ensign, . . .	U. S. S. "Cuyama."
1915	Laurence E. Burns, . . .	Winthrop, . .	Ensign, . . .	- -
1915	Wilfred C. Herron, . . .	Lawrence, . .	Ensign, . . .	U. S. S. Muscatine."
1915	Osgood R. Flagg, . . . .	Southborough, .	Ensign, . . .	U. S. S. P. No. 17.
1915	Russell C. Damon, . . .	Quincy, . . .	Ensign, . . .	- -
1916	John A. Rylander, . . .	Springfield, .	Ensign, . . .	U. S. S. "Arizonan."
1916	Byron H. Paine, . . . .	New Bedford, .	Ensign, . . .	Newport, R. I.
1916	Howard U. Chase, . . .	Nantucket, . .	Ensign, . . .	- -

*Enrolled in the United States Naval Reserve Force — Continued.*

Graduated.	NAME.	Residence.	Position.	Vessel or Service.
1916	Randall F. Elder, . . .	Everett, . . .	Ensign, . . .	U. S. S. "Konign Dernerderlinden."
1916	Harold W. Sanford, . .	Springfield, .	Ensign, . . .	-
1916	John E. Pilkington, . .	Mansfield, . .	Ensign, . . .	U. S. S. "Edw. Pierce."
1916	Peter J. Jakmauh, . . .	So. Boston, . .	Ensign, . . .	U. S. S. "W. L. Steed."
1916	William W. Thomas, . .	Randolph, . . .	Ensign, . . .	U. S. S. "Choctaw."
1916	Paul Gorman, . . . . .	Haverhill, . .	Ensign, . . .	U. S. S. "Californian."
1917	Stanley F. Roberts, . .	Springfield, .	Ensign, . . .	U. S. S. "Sara Thompson."
1917	Frank M. Moore, . . . .	Forest Hills, .	Ensign, . . .	-
1917	Richard H. Hopkins, . .	Somerville, . .	Ensign, . . .	U. S. S. "Montclair."
1917	Russell W. Thresher, . .	Southbridge, .	Ensign, . . .	-
1917	Earl S. Francis, . . . .	Athol, . . . .	Ensign, . . .	U. S. S. "Lake Frances."
1917	Chas. R. Dennen, . . . .	Gloucester, . .	Ensign, . . .	U. S. S. "Geo. Washington."
1917	Bradford S. Wilson, . . .	Quincy, . . . .	Ensign, . . .	U. S. S. "Mercury."
1917	John T. Foye, . . . . .	Bridgewater, .	Ensign, . . .	-
1917	Wm. M. Preston, . . . .	Beverly, . . .	Ensign, . . .	-
1918	Wesley C. Clark, . . . .	Arlington Heights.	Ensign, . . .	Naval Steam Engineering School, Hoboken, N. J.
1918	Raphael W. Hill, . . . .	Provincetown, .	Ensign, . . .	-
1906	Raymond T. Gerrard, . .	Springfield, .	Chief quartermaster.	-
1911	Clifford Bailey, . . . .	Ludlow, . . . .	Chief quartermaster.	U. S. S. "Sapphire."
1914	Henry S. Ruggles, . . . .	Winthrop, . . .	Chief quartermaster.	U. S. S. "Parker."
1917	Percy A. Crosbie, . . . .	Everett, . . . .	Chief quartermaster.	U. S. S. "Reina Mercedes."
1916	Albert Bianchi, . . . . .	Worcester, . . .	First class quartermaster.	U. S. S. "Canibas."
1916	Harold S. Ireland, . . . .	Somerville, . . .	First class quartermaster.	-
1909	S. Philip Grimshaw, . . .	So. Dartmouth, .	Chief boatswain's mate.	Fairhaven, Mass.
1910	Archibald W. Older, . . .	Swampscott, . .	Chief boatswain's mate.	Hingham, Mass.
1911	Roy A. Whittemore, . . . .	Malden, . . . .	Chief boatswain's mate.	-
1913	John W. Crocker, . . . .	Nahant, . . . .	Chief boatswain's mate.	U. S. S. "Merimar."
1918	Edgar G. Glines, . . . .	Beverly, . . . .	Chief boatswain's mate.	U. S. N. A. Shipping Depot, Dublin.
1918	Stuart R. Colson, . . . .	Whitman, . . . .	Chief boatswain's mate.	-
1916	John T. Crowell, . . . .	Gloucester, . . .	Boatswain's mate,	Ellis Island, N. Y.
1912	James C. Fawcett, . . . .	Dorchester, . . .	Second class boatswain's mate.	-
1916	Richard H. McKey, . . . .	Wonalancet, . .	-	U. S. S. "Lamson."
1904	Ernest W. Williams, . . .	Lynn, . . . . .	Warrant machinist.	U. S. N. Steam Engineering School, Hoboken, N. J.
1904	Benj. L. Welch, . . . . .	Salem, . . . . .	Warrant machinist.	U. S. S. "Mongolia."
1904	Chas. H. Hill, Jr., . . .	Reading, . . . .	Warrant machinist.	U. S. S. "Salem."

*Enrolled in the United States Naval Reserve Force — Concluded.*

Graduated.	NAME.	Residence.	Position.	Vessel or Service.
1915	Philip J. Durney, . . .	Gloucester, . .	Warrant machinist.	U. S. S. "Choctaw."
1916	C. Edwin Berglund, . .	Brockton, . .	Warrant machinist.	U. S. S. "Aroostook."
1917	Ernest C. Jensen, . . .	Provincetown, .	Warrant machinist.	- -
1896	Harry L. Giles, . . .	Everett, . . .	Chief machinist's mate.	U. S. S. "America."
1899	Vernon R. Tower, . . .	Hanover, . .	Chief machinist's mate.	U. S. S. "Freelance."
1915	Edw. B. Sheridan, . .	Lowell, . . .	Chief machinist's mate.	Steam Engineering School, Pelham Bay, N. Y.
1916	Alex. J. Phillips, . . .	Easton, . . .	Chief machinist's mate.	U. S. S. "O'Brien."
1918	Bernard F. Hurd, . .	Stoneham, . .	Chief machinist's mate.	- -
1903	Martin H. Greeley, . .	So. Boston, . .	First class machinist's mate.	U. S. S. "Kittery."
1916	Leo A. Benhard, . . .	Springfield, .	First class machinist's mate.	U. S. Armory, Springfield.
1916	Joseph A. Bain, . . .	Lawrence, . .	First class machinist's mate.	- -
1904	Chas. A. Hill, . . .	Melrose, . . .	Second class machinist's mate.	- -
1916	Jos. P. Condrey, . . .	Lowell, . . .	Second class machinist's mate.	U. S. S. "Birmingham."
1915	Mark E. Linehan, . .	No. Easton, .	Mechanician, . .	Naval aviation.
1912	Joseph B. Sylvaro, . .	Nantucket, . .	First class electrician.	Nantucket, Mass.

*In the United States Navy.*

1898	Clarence E. Wood, . .	Fall River, . .	Commander, . .	United States Naval Air Station, Pensacola, Fla.
1896	Herbert E. Kershaw, .	Lawrence, . .	Lieutenant, . .	Portsmouth, N. H.
1898	Herbert E. Fish, . . .	Mattapoisett, .	Lieutenant, . .	Quincy, Mass.
1902	John F. Murphy, . . .	Worcester, . .	Lieutenant, . .	U. S. S. "Powhatan."
1907	Thomas Baxter, . . .	So. Dennis, . .	Lieutenant, . .	- -
1914	Oliver P. Shattuck, . .	So. Acton, . .	Lieutenant (junior grade).	U. S. S. "Syalia."
1915	Leland Marshall, . . .	Revere, . . .	Lieutenant (junior grade).	U. S. S. K 8.
1910	Russell H. Sullivan, .	Westfield, . .	Pay clerk, . . .	U. S. S. "Beukelsdijk."
1909	Robert F. Hines, . . .	E. Boston, . .	- -	U. S. S. "Wainwright."
1902	George Castle, . . .	Lynn, . . .	Boatswain, . .	U. S. S. "Von Steuben."
1904	C. George Dyson, . . .	Billerica, . .	Electrical gunner,	U. S. S. "Camden."
1911	Jerome W. Hill, . . .	Chicopee, . .	Warrant gunner, .	U. S. S. "Brutus."
1910	Geo. F. Griswold, . . .	Watertown, . .	Gunner's mate, .	U. S. S. "Chester."
1896	William F. Gourville, .	Everett, . . .	Machinist, . . .	Portsmouth, N. H.
1903	C. Allan Holbrook, . .	Marlborough, .	Machinist, . . .	U. S. S. "Oregon."
1906	William R. Dolan, . .	Worcester, . .	Chief electrician,	U. S. S. "Patterson."
1906	Carroll L. Morgan, . .	Beverly, . . .	Chief electrician,	U. S. S. "Ericsson."
1900	Hugh H. McDonagh, . .	Worcester, . .	Electrician, . .	U. S. S. "Caesar."

*In the United States Navy — Concluded.*

Graduated.	NAME.	Residence.	Position.	Vessel or Service.
1903	Fred S. Garland, . . .	Randolph, . . .	Electrician, . . .	U. S. S. "Alabama."
1903	Guy H. Hudson, . . .	Somerville, . . .	Electrician, . . .	U. S. S. "Alabama."
1906	Louis H. Houghton, . .	Worcester, . . .	Electrician, . . .	U. S. S. "Missouri."
1907	Eugene E. Chaney, . .	Arlington, . . .	Electrician, . . .	U. S. S. "North Dakota."
1907	Louis L. LaMontagne, .	Millers Falls, . .	Electrician, . . .	U. S. S. "Pilgrim."
1910	Howell S. Loundes, . .	Worcester, . . .	Electrician, . . .	U. S. S. "Georgia."
1911	Walter P. Lynn, . . .	Beverly, . . .	Electrician, . . .	U. S. S. "Birmingham."
1909	Frederick H. H. Sylvia, .	Nantucket, . . .	Chief watertender,	U. S. S. "Ozark."
1911	Levi E. MacLeod, . . .	Gloucester, . . .	Oiler, . . . . .	U. S. S. "Ossipee."

*Officers in the United States Marine Corps.*

1903	Leander A. Clapp, . . .	Brockton, . . .	Major, . . . . .	Quantico, Va.
1906	Clarence E. Nutting, . .	Cambridge, . . .	Major, . . . . .	- -
1915	Edward R. Rhodes, . . .	Lowell, . . . . .	Captain, . . . . .	Quantico, Va.

*Officers in the United States Coast Guard Service.*

1899	James A. Alger, . . .	Reading, . . .	Captain, . . . . .	U. S. S. "DeKalb."
1895	Philip W. Lauriat, . . .	Medford, . . .	First Lieutenant,	U. S. S. "Canandaigua."
1906	William F. Towle, . . .	Boston, . . . . .	First Lieutenant,	U. S. S. "Androscoggin."
1897	Lorenzo C. Farwell, . .	Dorchester, . . .	Captain of Engineers.	Recruiting officer, New York City.
1897	Albert F. Patterson, . .	Townsend, . . .	First Lieutenant of Engineers.	U. S. S. "Manning."
1896	Webb S. Maglathlin, . .	Bridgewater, . .	Second Lieutenant of Engineers.	U. S. S. "Snohomish."
1906	Henry C. Roach, . . .	New Bedford, . .	Second Lieutenant of Engineers.	U. S. S. "Androscoggin."
1907	Paul R. Smith, . . . . .	Concord, . . . .	Third Lieutenant of Engineers.	Inspector of machinery, Brooklyn, N. Y.

*United States Steamboat Inspection Service.*

1902	Herman T. Parker, . . .	Rockport, . . .	Inspector of hulls,	Boston, Mass.
1896	Alvin W. Haynes, . . .	Somerville, . . .	Assistant inspector of hulls.	New York, N. Y.
1900	James S. Howes, . . . .	Woods Hole, . .	Assistant inspector of hulls.	Boston, Mass.
1909	William A. Sillars, . . .	Danvers, . . . .	Assistant inspector of hulls.	Providence, R. I.
1899	Frank B. Davis, . . . .	Dorchester, . . .	Assistant inspector of boilers.	New Orleans, La.
1900	James F. Rawdon, . . .	Worcester, . . .	Assistant inspector of boilers.	Boston, Mass.



*Officers in the United States Lighthouse Service.*

Graduated.	NAME.	Residence.	Position.	Vessel or Service.
1896	George E. Eaton, . . .	Wakefield, . .	Captain, . . .	"Anemone."
1904	John F. Williamson, . .	Brockton, . .	Captain, . . .	"Columbine."
1905	Harry W. Maynard, . .	Winthrop, . .	Captain, . . .	"Hyacinth."
1910	Chester R. Morris, . .	Springfield, .	First officer, . .	"Lilac."

*In the Hydrographic Office, Navy Department.*

1896	Charles S. Young, . . .	Boston, . . .	Nautical expert, .	Washington.
1913	Geo. W. Sullivan, . . .	New Bedford, .	Nautical expert, .	Washington.

*In the United States Army.*

1894	F. W. Galbraith, Jr., . .	Springfield, .	Colonel, . . .	Commanding 147th Infantry.
1906	Chas. W. Hames, . . .	Melrose, . . .	Lieutenant, . .	-
1915	Frank L. Nimmo, . . .	Cambridge, .	Corporal, . . .	1st C. A. C., Ft. Sherman, Canal Zone.
1901	Wm. R. Bolton, . . .	Springfield, .	Private, . . .	Co. F, 112th U. S. Engineers.
1910	Paul Case, . . . . .	Brockton, . .	-	U. S. Army Hosp. No. 6, A. E. F.
1911	Walter H. Blanchard, .	Gloucester, .	-	101st Supply Train, 26th Div., A. E. F.
1912	Richard K. O'Connell, .	No. Easton, .	Private, . . .	Co. E, 301st Engineers.
1913	Elmer D. Taggart, . .	Wakefield, . .	Private, . . .	Camp Gordon, Atlanta, Ga.
1913	Firth B. Andrews, . .	Melrose, . . .	-	102d Machine Gun Battalion.
1914	Wesley H. Burton, . .	Plainville, . .	Private, . . .	101st Reg., A. E. F.
1915	Charles Pope, . . . .	Springfield, .	-	146th F. A.

## APPROPRIATIONS.

The appropriations for the school for the fiscal year 1918, from Dec. 1, 1917, to Nov. 30, 1918, are here accounted for as follows: —

*Current Expenses.*

Appropriation, . . . . .	\$70,000 00
Expended: —	
Pay roll, . . . . .	\$32,195 12
Provisions, . . . . .	23,284 21
Seamanship department, . . . . .	3,911 96
Engineering department, . . . . .	5,055 05
Instruction, . . . . .	1,168 62
Miscellaneous, . . . . .	4,146 78
Total amount expended, . . . . .	<hr/> 69,761 74
Balance unexpended, . . . . .	\$238 26

*Office Expenses.*

Appropriation, . . . . .	\$6,300 00
Expended: —	
Salaries, . . . . .	\$3,456 67
Rent of office, and janitor's service, . . . . .	1,097 00
Printing, . . . . .	455 28
Stationery and postage, . . . . .	555 01
Telephone and telegrams, . . . . .	194 03
Commissioners' expenses, . . . . .	190 40
Miscellaneous, . . . . .	290 31
Total amount expended, . . . . .	<hr/> \$6,238 70
Less amount allowed by Retirement Association, . . . . .	3 27
	<hr/> 6,235 43
Balance unexpended, . . . . .	\$64 57

Respectfully submitted,

FRANCIS T. BOWLES, *Chairman.*  
 WILLIAM E. MCKAY.  
 CLARENCE E. PERKINS.

